Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/23/2017 10:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123224	-2	2.76	123022	2.75
Blue	F	SSC	125000	122280	-3	3.53	122526	3.27
Blue	E	FITC	21625	20877	-4	2.52	930	10.07
Blue	D	PE	26832	26234	-3	2.15	941	9.42
Blue	B	PerCP-Cy5-5	48027	46946	-3	3.53	1350	16.21
Blue	A	PE-Cy7	40971	40542	-2	5.17	629	33.85
Red	C	APC	49746	49014	-2	3.02	2812	9.25
Red	A	APC-Cy7	53615	52443	-3	3.15	1096	11.24
Violet	B	V450	14488	13719	-6	5.47	658	9.67
Violet	A	V500	55123	53084	-4	5.32	2357	7.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16902	13.35	598	0	N/A	N/A	Pass
Blue	F	SSC	60474	1.64	531	-3	N/A	N/A	Pass
Blue	E	FITC	105	37.53	531	-5	0.0215	119	Pass
Blue	D	PE	206	27.74	527	-4	0.1744	228	Pass
Blue	B	PerCP-Cy5-5	212	43.55	622	-7	0.0112	129	Pass
Blue	A	PE-Cy7	70	109.10	673	-8	0.0130	9	Pass
Red	C	APC	330	27.47	587	-7	0.0222	128	Pass
Red	A	APC-Cy7	120	39.92	570	-10	0.0056	1545	Pass
Violet	B	V450	80	39.74	466	-5	0.0440	1415	Pass
Violet	A	V500	171	21.38	492	-4	0.0152	114	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.17	-30.90	0.83
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.20	13.27 - 19.91	N/A	N/A	31.42	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9513

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments